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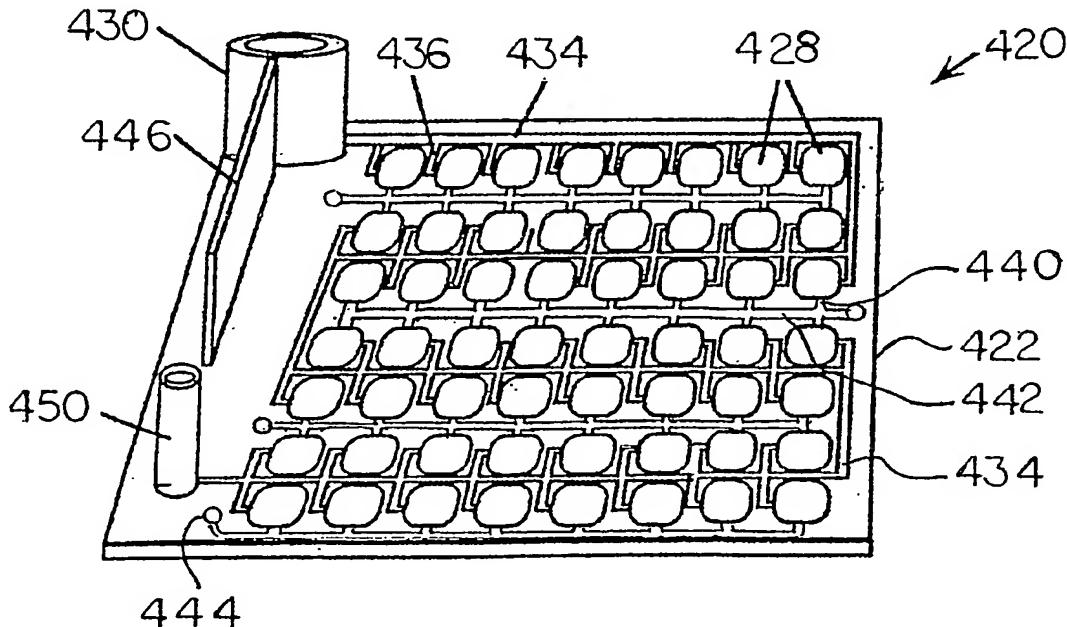
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(54) Title: METHOD AND DEVICE FOR DETECTION OF NUCLEIC ACID SEQUENCES



(57) Abstract: A device (420) and method for real-time amplification and detection of a large number of target nucleic acids contained in a large number of biological samples is provided. The device (420) can comprise a substrate (422) and an optically transparent cover, wherein the substrate can comprise a first surface, at least one sample receiving chamber (430), a distributor channel (434), at least one reaction chamber (428), and a vent (440) for each reaction chamber. The substrate can comprise a material having a thermal conductivity of at least about 0.25 W/m°K.

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